AMENDMENTS TO THE CLAIMS

The listing of claims below replace all prior versions, and listings, of claims:

(Original) A method of performing a transaction in a database system, 1. comprising: receiving a transaction to be performed, wherein the transaction is processed by a plurality of access modules; and performing a flush of a transaction log in each access module before an 5 end transaction procedure. 6 (Currently Amended) The method of claim 1, further comprising issuing a 2. 1 request to flush the transaction log with a message sent to each access module for 2 performing a last step of the transaction, the last step performed prior to the end 3 4 transaction procedure. (Currently Amended) The method of claim 2, further comprising avoiding 1 3. performing the flush of the transaction log in a data access step prior to the end 2 transaction procedure to avoid performance of a transaction log flush in the end 3 4 transaction procedure. (Original) The method of claim 2, further comprising determining that the 1 4. last step is being performed by all of the plurality of access modules. 2 (Original)/The method of claim 1, further comprising determining if the 5. 1 2 transaction log has been flushed before performing the end transaction procedure. (Original) The method of claim 5, further comprising avoiding 6. 1 performance of a transaction log flush in the end transaction procedure if the transaction 2 log has been flushed. 3

module broadcasting an end transaction-part two directive to all access modules in the

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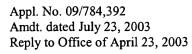
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(Original) The method of claim 12, further comprising the first access

- 14. (Original) The method of claim 10, further comprising the fallback module writing an end transaction indication to a second transaction log portion.
- 15. (Original) The method of claim 10, further comprising the first access module flushing the first transaction log portion.
- 16. (Original) The method of claim 10, further comprising the first access module flushing the first transaction log portions but the other access modules in the cluster not flushing their respective transaction log portions.
 - 17. (Original) A database system comprising:
 - a plurality of storage media; and
- a plurality of access modules, wherein each access module is coupled to one of the plurality of storage media; and
- each of the access modules being adapted to flush a transaction log before performing an end transaction procedure.
- 18. (Original) The database system of claim 17, further comprising a controller adapted to determine if each access module has flushed the transaction log maintained by the access module.
- 19. (Original) The database system of claim 18, wherein the controller is adapted to skip sending a directive to perform a transaction log flush if the controller determines that each access module has flushed the transaction log before the end transaction procedure.
- 20. (Original) The database system of claim 17, further comprising a controller adapted to provide a flush directive with a message to each of the access modules to perform a last step of the transaction.

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0	1	21. (Original) A	An article comprising a medium storing instructions for
	2	enabling a processor-based	l system to:
/ 1 1	3	receive a tra	ensaction to be performed, wherein the transaction is processed
	4	by a plurality of access mo	dules;
2	5	determine t	hat a last step of the transaction involves the plurality of access
1).	6	modules; and	
	7	flush a trans	saction log to a storage while the last step is performed by the
	8 plurality of access modules.		3.
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	1	22. (Original) T	The article of claim 21, further storing instructions for enabling
•	2	the processor-based system	n to:
	3	perform an	end transaction, wherein the end transaction follows execution
•	4	of the transaction.	
	1	23. (Original)	The article of claim 22, further storing instructions for enabling
	2	a processor-based system to:	
	3	avoid broad	cast of a directive indicating commencement of the end
	4	transaction to the plurality of access modules.	
	1	24. (Original) A	method of performing a transaction in a database system,
	2	comprising:	
	3	receiving a	transaction to be performed on plural access modules in the
. 4		database system;	
	5	maintaining	a log to track operations performed in the transaction;
	6	writing the	log to persistent storage before start of an end transaction
	7	procedure.	
	1	25/ (Original)	The method of claim 24, wherein writing the log to persistent
	2	storage comprises flushing the log.	

1	26. (Original) The method of claim 24, wherein maintaining the log comprises		
A12	maintaining a transaction log.		
	27. (Original) The method of claim 24, further comprising performing the end		
$\lambda \setminus 2$	transaction procedure, the end transaction procedure comprising writing an end		
). ₃	transaction indication into the log.		
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. 1	28. (Original) A database system comprising:		
2	storage media;		
3	access modules coupled to the storage media; and		
. 4	a parsing engine coupled to the access modules, the parsing engine		
5	adapted to perform one of:		
. 6	(a) providing a directive with a message to perform a last step		
7	of a transaction and communicating the directive to the access modules, each access		
8	module responsive to the directive to perform a transaction log flush before performance		
9	of an end transaction procedure; and		
10	(b) determining if each of the access modules has performed a		
11	transaction log flush before start of the end transaction procedure;		
12	the parsing engine adapted to avoid sending a broadcast directive to the		
13	access modules to cause performance of a transaction log flush during the end transaction		
14	procedure.		
1	29. (New) The method of claim 1 wherein the transaction comprises plural		
2/2	steps, the method further comprising:		
423	performing the plural steps prior to performing the end transaction		
4	procedure, and		
5	wherein performing the flush of the transaction log comprises performing		
6	the flush of the transaction log in one of the plural steps.		



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- 30. (New) The method of claim 29, wherein performing the plural steps comprises performing, in each of the plural steps, access of relational table data stored in the database system.
- 31. (New) The method of claim 30, wherein performing the flush of the transaction log in one of the plural steps comprises performing the flush of the transaction log in a last one of the plural steps.
- 32. (New) The method of claim 31, further comprising each access module adding a first entry to the transaction log to redo the transaction by the access module in case of system failure.
- 33. (New) The method of claim 4, wherein performing the flush of the transaction is prior to the end transaction procedure if the last step is performed by all of the plurality of access modules, the method further comprising:

performing the flush of the transaction log in the end transaction procedure if the last step is not performed by all of the plurality of access modules.

- 34. (New) The database system of claim 17, wherein the access modules to perform a transaction comprising plural steps, one or more of the access modules adapted to perform the plural steps prior to the end transaction procedure, and the access modules adapted to perform the flush of the transaction log in one of the plural steps.
- 35. (New) The database system of claim 34, wherein the one of the plural steps comprises a last one of the steps.
- 36. (New) The database system of claim 35, wherein the transaction log comprises a first entry associated with each access module to enable a redo of the transaction in case of system failure.

- 37. (New) The database system of claim 36, wherein the transaction log further comprises a second entry associated with each access module to enable an undo of the transaction.
- 38. (New) The database system of claim 34, further comprising a controller to determine whether a last one of the steps involves all the access modules, and in response to determining that the last one of the steps involves all the access modules, the controller to send a directive to all the access modules to perform the flush of the transaction log in the last one of the steps.
- 39. (New) The database system of claim 38, in response to determining that the last step does not involve all access modules, the controller to send a directive to perform the flush of the transaction log in the end transaction procedure.
- 1 40. (New) The article of claim/21, wherein the transaction comprises plural
 2 steps, the article further storing instructions for enabling a processor-based system to:
 3 perform the plural steps prior to performing the end transaction procedure,
 4 and
 5 wherein performing the flush of the transaction log comprises performing
 6 the flush of the transaction log in one of the plural steps.
 - 41. (New) The article of claim 40, wherein performing the plural steps comprises performing, in each of the plural steps, access of relational table data stored in the database system.
 - 42. (New) The article of claim 41, wherein performing the flush of the transaction log in one of the plural steps comprises performing the flush of the transaction log in a last one of the plural steps.

Appl. No. 09/784,392 Amdt. dated July 23, 2003 Reply to Office of April 23, 2003

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43. (New) The article of claim 42, further storing instructions for enabling a processor-based system to cause each access module to add a first entry to the transaction log to redo the transaction by the access module in case of system failure.